



Lead Lines



Eastern Pennsylvania Chapter
International Society of Explosives Engineers
www.easternpaisee.com

Volume 23 Number 1

Winter 2016

The Eastern PA ISEE welcomes requests for topics, and invites readers' letters and other contributions that relate to drilling, blasting, seismology and explosives engineering.

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Check out highlights from the
Seventeenth Pennsylvania
Drilling and Blasting Conference
on pages 15 & 16.



Letter from The President

Dear Chapter,

This past December our Chapter lost a very valuable and respected colleague in the death of Joe Accardo. Joe had served as our Chapter's Vice-President since July of 2013. Several of our members attended the, standing room only, Celebration of Life ceremony held in Joe's honor. We were overwhelmed by the level of poise, love, and humor Suzanne Accardo brought to her presentation of the "Life and Times" of Joe Accardo. Our Chapter has lost a good friend, esteemed presenter, and published author who continually strived for the improvement and safety of our industry.



We would also like to thank Randy May and Chuck Tomlin for their years of dedicated service to our Chapter and the PA Drilling and Blasting Conference. Their level of commitment to training and outreach was greatly appreciated and will be hard to replace. Chuck and Randy's retirement has left several positions open on our Chapters Board. Please forward your nominations to the Board for consideration at our May Chapter meeting.

The 17th PA Drilling and Blasting conference was held this past November at Penn State. We had over 400 attendees who were able to experience over 32 presentations over the two-day conference. Thank you to everyone for helping make this conference a huge success.

As we all prepare for the start of the 2016 season I remind everyone to stay safe.

Best regards,

Scott



In Memory of
Joseph Anthony Accardo, Jr.



Major Joseph Anthony Accardo Jr., US Air Force (Ret.) 58, of Ephrata, passed away unexpectedly, yet peacefully, in his sleep on Thursday, December 24, 2015.

Joe was raised by Joseph Accardo Sr., and the late Antoinette (Rangatore) Accardo in Niagara Falls, NY, and grew up among a large and caring family. He is

survived by his brother, Frank Accardo, husband to Donna Accardo, Chatsworth, CA, and is preceded in death by his brother, Jon Accardo.

Joe was an F-15 fighter pilot, and it was his skill and faith in God that carried him through 20 years of service. Joe was married to Suzanne (Gettle) Accardo, and they had 32 years of unparalleled love that they were able to share with one another and their children. Together, they raised two boys, who in turn will carry the love their father showed



their mother into their marriages: Joseph A. Accardo III, and Laurelin Accardo of Denver, PA and Christopher W. Accardo, fiancé

Devan Johnson of Ithaca, NY. Many knew Joe through his work with Sandvick, and he was also known for his passion and skill—as a pilot, golfer, boater, and orator—but he is most remembered for the love and happiness he shared with his family.

A celebration of life was held on Tuesday, December 29, 2015 at the Foxchase Golf Club, Stevens, PA. Memorial contributions in Joe's memory may be made to St. Jude's Children's Research Hospital.

*In Memory of
Joseph A. Accardo, Jr.*



*November 21, 1957
December 24, 2015*

*Because I fly
I laugh more than other men
I look up and see more than they,
I know how the clouds feel,
What it's like to have the blue in
my lap, to look down on birds,
to feel freedom in a thing called
the stick...
Who but I can slice between God's
billowed legs, and feel then laugh
and crash with His step
Who else has seen the unclimbed
peaks? The rainbow's secret?
The real reason birds sing?
Because I fly,
I envy no man on earth.*

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In Memory of Phillip J. “Buck” Hendrickson

Phillip J. “Buck” Hendrickson, 58, of Ironwood Township, Mich., died unexpectedly Thursday, November 12, 2015 at St. Luke’s Hospital in Bethlehem.

Phil was born June 10, 1957, in Wakefield, Mich., one of 7 children to Phillip and Ruth (Helmes) Hendrickson. He graduated from Luther I. Wright High School in Ironwood in 1975 and continued on to Gegebic Community College in Ironwood. He finished his education at Michigan Technological University, Houghton Mich., in 1979, graduating with a bachelor’s degree in mining engineering. He worked for US Steel in Minnesota for 3.5 years and moved to Pennsylvania with wife Carol (Hill), whom he married in 1977, and son Cory and daughter Jamie. He worked for Coplay Cement of Nazareth for a time then joined Maurer & Scott, Inc. of Coopersburg as a licensed blaster since 1986 to the present time. While at Maurer & Scott, Inc. he held the position of Vice President until his semi-retirement.



In 2001, he and his wife moved back to Ironwood to build their dream home on Lake Superior...a custom log home. He enjoyed his hobbies of woodworking, fishing and gardening. He continued the family business of growing, maintaining and selling blueberries. Phil is survived by his wife, Carol; son Cory, and daughter, Jamie (John) Staniec, both of Wind Gap, PA; grandchildren Jonathan and Josslyn Staniec; siblings, Jeffrey Hendrickson (Diane Romatz), Marquette, Mich., Christine “Tina” (Brian) Ciesielczyk, Ironwood, Rolf (Beth) Hendrickson, Ironwood, Jane Richards, Minocqua, Wis., and Lisa (Wayne) Jorgensen, Geneva, Ill; uncle, Alvar Helmes, Battle Ground, Wash., brothers and sisters-in-law, Nancy (Dean) Duckwitz, Colorado Springs, Colo., Gilman (Beth) Hill, Ironwood, and Tom (Darri) Hill, Yadkinville, NC; and numerous nieces, nephews, great-nieces, great-nephews, cousins and friends.

Preceding him in death were his parents; brother Paul; and niece Mindy Hendrickson.

A memorial service was held Saturday, November 28th at the McKevitt-Patrick Funeral Home, 305 N. Lowell St., in Ironwood. In lieu of flowers, donations in Phil’s memory can be made to the American Heart Association.



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Congratulations Danny Ray Leach!

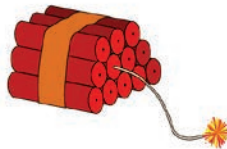
Danny Ray Leach was recently appointed to the International Society of Explosives Engineers Board of Directors. Candidates must be qualified as members of the society who have demonstrated leadership and active participation in the society and in the explosives industry.

“I am thrilled to be serving on the ISEE Board of Directors and look forward to representing the Eastern Pennsylvania Chapter”, said Danny Ray Leach. “Thank you everyone who voted for me and I hope I can only live up to my predecessors image, my mentor, Randy May.”



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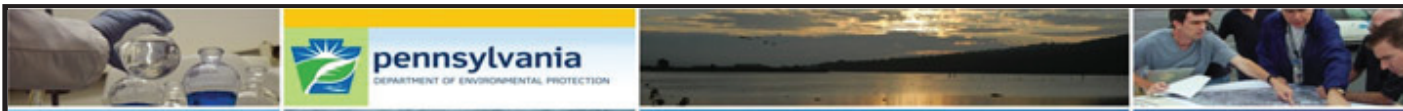
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Letter from The Chief

Dear Eastern PA ISEE Newsletter readers,

Flyrock is preventable. Since the Department, with explosives industry help, has taken a different approach with respect to enforcement actions taken against blaster's licenses in cases of flyrock violations there has been much more dialog between the blaster, his employer, the permittee and the Department regarding the details surrounding the cases. This dialog is very valuable in determining the likely cause of the flyrock incidents and ensures that measures are put in place to prevent future incidents. However, flyrock incidents continue to occur. The reasons they occur usually do not change from year to year. In 2014 and 2015 the Department took enforcement actions on 14 flyrock incidents. Seven occurred each year. In 2014, two of the cases were on bituminous coal mine operations, three were on quarries and two were on construction operations. In 2015, one was on a bituminous coal mine opening operation, two on quarries, three on construction operations and one on a demolition operation.

Flyrock happened on the construction operations largely for two reasons. The first was not determining the extent of rock surrounding holes that were drilled in rock but surrounded by dirt holes. This was a factor for four of the flyrock incidents of 2014 and 2015. Bridging of stemming was a contributory factor in one of the incidents where not determining the extent of the rock surrounding a hole was occurred factor. This was also the most likely cause of another one of these construction incidents. Poor blast geometry

Continued on page 10

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Eastern PA Chapter Wins Awards

At this year's 42nd Annual Conference on Explosives and Blasting Technique in Las Vegas, the Eastern Pennsylvania Chapter was presented with our Chapter's 20th Anniversary Award. We also received the The Chapter Service Award for our role in the PA Drilling and Blasting Conference. Kristin Klemish was recognized with the Chapter Volunteer Service Award. Pictured is Douglas Rudenko, Chapter Board of Director, accepting our Chapter awards.



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Pennsylvania 811's "PA Safety Day" Scheduled

Pennsylvania 811's "PA Safety Day" conferences are one of the largest one day safety conferences in the underground excavation and utility industry in North America. The conference provides hands on demonstrations, safety education, and an opportunity for participants to learn about the latest safety theories, tools, and techniques. This year's conferences are being held at:

- * Northeastern PA Safety Day on May 17, 2016
Mohegan Sun Arena at Casey Plaza, Wilkes-Barre, PA
- * North Central PA Safety Day on May 5, 2016 –
Clinton County Fairgrounds, Mill Hall, PA
- * Southeastern PA Safety Day on May 19, 2016 –
Greater Philadelphia Expo Center, Oaks, PA
- * South Central PA Safety Day on June 23, 2016 –
York Expo Center, York, PA
- * Southwestern PA Safety Day on September 15, 2016 –
Monroeville Convention Center, Monroeville, PA

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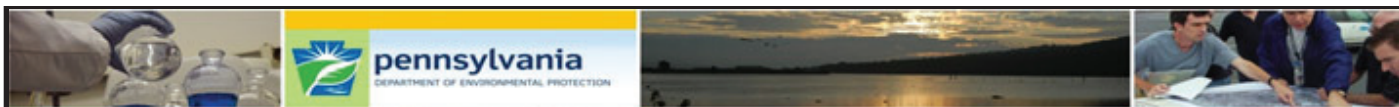
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Letter from the Chief Continued

was most likely caused by insufficient matting. Two of the flyrock incidents that occurred on quarries were found to have been ejected from face rows on blasts where the face was uneven with inconsistent rock. Another of the quarry incidents was found to be caused by the rock in the first row being inconsistent and the extent of competent rock between the first and second rows not being known. All of the flyrock incidents in 2014 and 2015 were caused by factors that have been found to cause flyrock previously in PA.

The risk of flyrock increases when stemming amounts are below widely accepted parameters. The risk of flyrock also increases when any blast design parameters vary from widely accepted norms. Care must be taken when stemming boreholes. Personnel who stem boreholes must be trained to understand that stemming can bridge and what to do if that occurs. Blasters need to know how much competent rock is surrounding a bore hole or in front of the face row. There are methods of making these determinations. Cooperation and communication between mine operators and contract blasters is important in minimizing the risk of flyrock due to uneven highwalls. Mining methods must be shaped by taking blasting into consideration.

As we start into 2016 I hope that we can learn from mistakes made in previous years and hopefully eliminate preventable flyrock incidents, or more realistically minimize the number of them!

Please be safe out there!

Rick

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Proposed Chapter 210 and 211 Regulations

The proposed Chapter 210 and 211 regulations have been posted to the current issue of the Pennsylvania Bulletin. You can find the proposed regulations under Environmental Quality Board.

To comment on the proposed Chapter 210 and 211 regulations you can go to the DEP website, Public Participation and Environmental Quality Board (EQB). You can submit comments through eComment, e-mail or written comments. Comments are due March 28th.

The Eastern PA Chapter will put together a formal letter that includes our collective comments. If you wish to share your thoughts or opinions on these proposed regulations with the Chapter, please send them to Scott Mueller at smueller@bluestonedrilling.com by March 25th.

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Call for Chapter Leadership

The Eastern PA Chapter is looking for active members to assume executive, board of director and committee leadership roles. If you are interested in volunteering yourself or recommending someone in our industry, please contact Scott Mueller or any member of the Board of Directors to be added to the list of nominations.

Nominations will be voted on at the May 19th meeting.

Save the Date!

Our next Chapter meeting is scheduled for
Thursday, May 19th at the Hollywood Casino.

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Aggregates Industry Leader Bob Bartlett Dies

By Bobby Atkinson | Published on February 9, 2016 in *Aggregates Manager*

The aggregate industry lost one of its longtime champions and leaders at the end of January as Robert (Bob) Bartlett passed away at 83 years old.

Bartlett worked in the aggregates industry for decades after leaving the U.S. Army where he served for the Corp of Engineers in Korea. He continued his engineering career in the private sector by joining Bethlehem Steel Company in 1957. But it wasn't long until he began working in the aggregates industry and eventually becoming an association leader and the Pennsylvania Secretary of Highways.

"Our industry has lost a truly great leader," National Stone, Sand and Gravel Association president and CEO Michael W. Johnson said. "Few people were as passionate about our industry as Bob. He sought to bring together two separate aggregates associations into one entity that represented the best of our industry and provided a clear voice on Capitol Hill for producers and the companies that serve them."



Bartlett is one of the reasons the NSSGA exists as it is today. He was president of the National Stone Association and helped to merge that organization with the National Aggregates Association to create the NSSGA. Bartlett retired as president of the National Stone Association in 1997, but not before overseeing the membership double and the creation of the Aggregates Foundation with a \$5 million for the Center for Aggregates Research.



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According to his obituary, Bartlett died on Jan 28 after suffering from a sudden stroke. He was survived by his wife, their five children, six grandchildren and three great grandchildren. In lieu of flowers, Bartlett's family asks for people to consider donating to the USMA Class of 1953 Superintendents Endowment at the Office of Class Giving, 698 Mills Road, West Point, NY 10996-1607.



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The Seventeenth Pennsylvania Drilling and Blasting Conference

On November 12 and 13, 2015, the Seventeenth Pennsylvania Drilling and Blasting Conference was held at The Penn Stater Conference Center Hotel, in State College, Pennsylvania.



The conference welcomed underground and surface blasters, engineers, suppliers, and other professionals associated with drilling, blasting, and explosives. This year's conference was attended by over 400 people, 32 presenters, 43 exhibitors, and 2 large outdoor drill exhibitors.

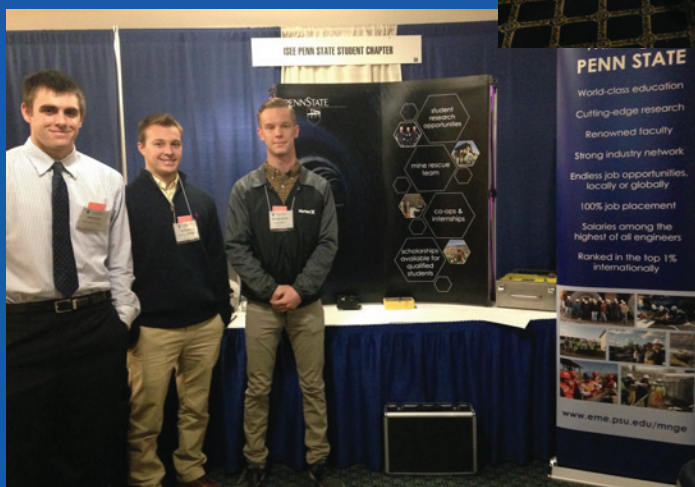
The conference program committee, which is comprised of university faculty, staff, and industry leaders, developed a program that highlighted a varied and impressive list of speakers. The conference included 4 breakout sessions, which focused on topics related to underground, drilling, math, and mapping.

The conference was sponsored by Penn State's College of Earth and Mineral Sciences and the John and Willie Leone Family Department of Energy and Mineral Engineering, the Mid-Atlantic Chapter of ISEE, the Eastern Pennsylvania Chapter of ISEE, and the Pennsylvania Department of Environmental Protection. In addition, this conference had 11 company sponsors.

Thank you to everyone who attended and exhibited!



Photos from the Pennsylvania Drilling and Blasting Conference





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[Clinton County Fairgrounds, 98 Racetrack Rd., Mill Hall, PA](#)

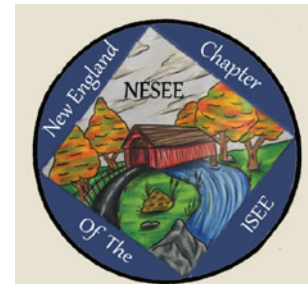
Southeastern PA Safety Day on May 19, 2016 [<Click Here to Register>](#)
[Greater Philadelphia Expo Center, 100 Station Street, Oaks, PA](#)

South Central PA Safety Day on June 23, 2016 [<Click Here to Register>](#)
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Southwestern PA Safety Day on September 15, 2016 [<Click Here to Register>](#)
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